

Statewide Per- and Polyfluoroalkyl Substances (PFAS) Response

FY2020 Request: \$0
Reference No: 62492

AP/AL: Appropriation **Project Type:** Equipment / Commodities
Category: Health/Human Services
Location: Statewide **House District:** Statewide (HD 1-40)
Impact House District: Statewide (HD 1-40) **Contact:** Denise Koch
Estimated Project Dates: 07/01/2018 - 06/30/2023 **Contact Phone:** (907)465-4040

Brief Summary and Statement of Need:

Funding required to further investigate the possibility of groundwater contamination. Per- and Polyfluoroalkyl substances (PFAS), also called perfluorinated chemicals (PFCs), contamination originating from Aqueous Film Forming Foam (AFFF) can lead to PFAS contaminated groundwater which can migrate offsite and contaminate downstream drinking water wells.

Funding:	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>Total</u>
1052 Oil/Haz Fd	\$9,425,000						\$9,425,000
Total:	\$9,425,000	\$0	\$0	\$0	\$0	\$0	\$9,425,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Prior Funding History / Additional Information:

Project Description/Justification:

Per- and Poly-fluoroalkyl Substances (PFAS) are contaminants of emerging concern in Alaska and across the nation. PFAS contamination originating from the use of Aqueous Film Forming Foam (AFFF) can lead to contaminated groundwater migrating offsite and contaminating downstream drinking water wells. There are many health effects linked to PFAS exposure and the Center of Disease Control is treating PFAS contamination as a public health concern. The Alaska Department of Environmental Conservation issued a technical memo in August 2018 setting action levels for six PFAS compounds and determined that they are hazardous substances under state law. The EPA has issued a health advisory for drinking water contamination.

Due to the historical use of AFFF for firefighting and firefighting training, impacted public drinking water sources and private wells is widespread and have already been discovered in all areas of Alaska. An appropriation from the Emergency Response Account of the Oil and Hazardous Substance Release Prevention and Response Fund is requested to support the State's response.

To better assess the scope of this public health threat, the Divisions of Spill Prevention and Response and Environmental Health will coordinate to collect non-regulatory drinking water samples from 408 community water systems in Alaska and analyze them at the Environmental Health Laboratory. Additionally, the

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Laboratory will process samples of drinking water, groundwater, surface water, and soil collected. The Department's Fish Monitoring program will also analyze existing and subsequently obtained fish tissue samples for PFAS compounds, to assess the scope of these contaminants in commercial and subsistence fish resources. Special testing equipment is required to conduct this testing at the State Laboratory at the health advisory levels set by the EPA, in addition to one long-term non-permanent employee to assist with this testing.

There is potential that PFAS groundwater contamination will be found at approximately 28 current and former Part 139 Department of Transportation & Public Facilities (DOT&PF) airports or former Department of Defense (DOD) sites for which the State is now responsible. A Reimbursable Service Agreement with the DOT&PF will support the costs of a statewide environmental consultant contract to conduct investigations of the airports and DOD sites, known costs associated with on-airport expenses (Risk Management is responsible for off-airport), and disposal of AFFF.

Current estimated costs for response work at both the Departments of Environmental Conservation and Transportation & Public Facilities is expected to be \$9.4 million.

Scope	Cost
Liquid Chromatography Tandem Mass Spectrometry system for Environmental Health Laboratory and testing supplies	\$779,200
Chemist III Long-Term Non-Permanent Employee	\$200,000
Work Plans, Coordination, Sampling, Public Meetings, Project Scoping	\$156,130
Statewide Contracts Phase I (environmental and engineering services to test 11 airports in FY2019)	\$6,669,000
Travel to Public Meeting, Office Space, and Supplies	\$46,760
Gustavus Point-of Entry Water Treatment Systems (four wells on airport properties)	\$250,000
Gustavus Potable Water and Delivery	\$10,000
Aqueous Film Forming Foam Disposal	\$84,984
Rural Construction	\$1,228,926
TOTAL	\$9,425,000

Additional funding is anticipated to be required in the future related to the ongoing response to PFAS contamination. This may include environmental remediation, long term monitoring, and water treatment systems.